

L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 1999 ACS
 RN 79217-60-0 REGISTRY
 CN Cyclosporin (9CI) (CA INDEX NAME)
 MF Unspecified
 CI COM, MAN
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS, CEN,
 CHEMLIST, CBNB, CIN, EMBASE, MSDS-OHS, NIOSHTIC, PROMT, RTECS*,
 TOXLINE,
 TOXLIT, USPATFULL
 (*File contains numerically searchable property data)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 439 REFERENCES IN FILE CA (1967 TO DATE)
 46 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 440 REFERENCES IN FILE CAPLUS (1967 TO DATE)

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L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 1999 ACS
 RN 59865-13-3 REGISTRY
 CN Cyclosporin A (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,4,7,10,13,16,19,22,25,28,31-Undecaazacyclotritriacontane, cyclic
 peptide
 deriv.
 OTHER NAMES:
 CN Antibiotic S 7481F1
 CN Ciclosporin
 CN Consupren
 CN Cyclosporin
 CN Cyclosporine
 CN Cyclosporine A
 CN Cyclo[L-alanyl-D-alanyl-N-methyl-L-leucyl-N-methyl-L-leucyl-N-methyl-L-
 valyl-(3R,4R,6E)-6,7-didehydro-3-hydroxy-N,4-dimethyl-L-2-aminooctanoyl-L-
 2-aminobutanoyl-N-methylglycyl-N-methyl-L-leucyl-L-valyl-N-methyl-L-
 leucyl]
 CN Neoplanta
 CN Neoral
 CN OL 27-400
 CN Ramihyphin A
 CN S-Neoral
 CN Sandimmun
 CN Sandimmun Neoral
 CN Sandimmune
 CN Sang-35
 FS PROTEIN SEQUENCE; STEREOSEARCH
 DR 56645-58-0, 55126-45-9, 104250-72-8
 MF C62 H111 N11 O12
 CI COM
 LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, BEILSTEIN*, BIOBUSINESS,
 BIOSIS,
 CA, CABA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CBNB,
 CIN, CSCHEM, CSNB, DDFU, DRUGPAT, DRUGU, EMBASE, IFICDB, IFIPAT,
 IFIUDB,
 IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PHAR, PROMT,
 RTECS*,
 TOXLINE, TOXLIT, USAN, USPATFULL, VETU
 (*File contains numerically searchable property data)

Absolute stereochemistry.
Double bond geometry as shown.

i-Pr

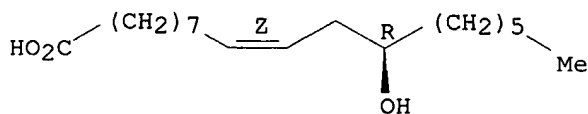
8562 REFERENCES IN FILE CA (1967 TO DATE)

263 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

8603 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1999 ACS
 RN 141-22-0 REGISTRY
 CN 9-Octadecenoic acid, 12-hydroxy-, (9Z,12R)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 9-Octadecenoic acid, 12-hydroxy-, [R-(Z)]-
 CN **Ricinoleic acid (8CI)**
 OTHER NAMES:
 CN 12-D-Hydroxy-9-cis-octadecenoic acid
 CN 12-Hydroxy-cis-9-octadecenoic acid
 CN 12-Hydroxyoctadeca-9-enoic acid
 CN Edenor Ri 90
 CN Nouracid CS 80
 CN Ricinic acid
 CN Ricinolic acid
 FS STEREOSEARCH
 DR 8040-35-5, 25607-48-1, 17026-54-9, 45260-83-1
 MF C18 H34 O3
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CABA,
 CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSChem, DETHERM*, DDFU, DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, TOXLINE, TOXLIT, TULSA, USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

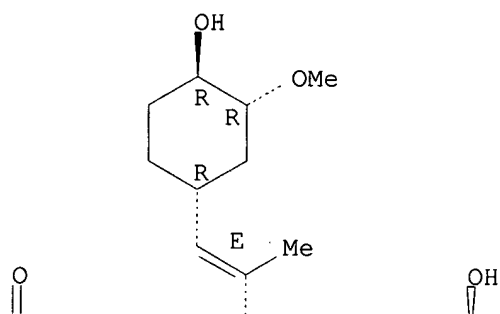
Absolute stereochemistry.
 Double bond geometry as shown.

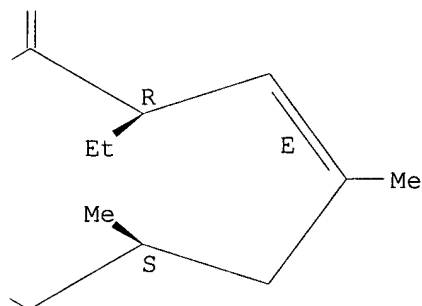
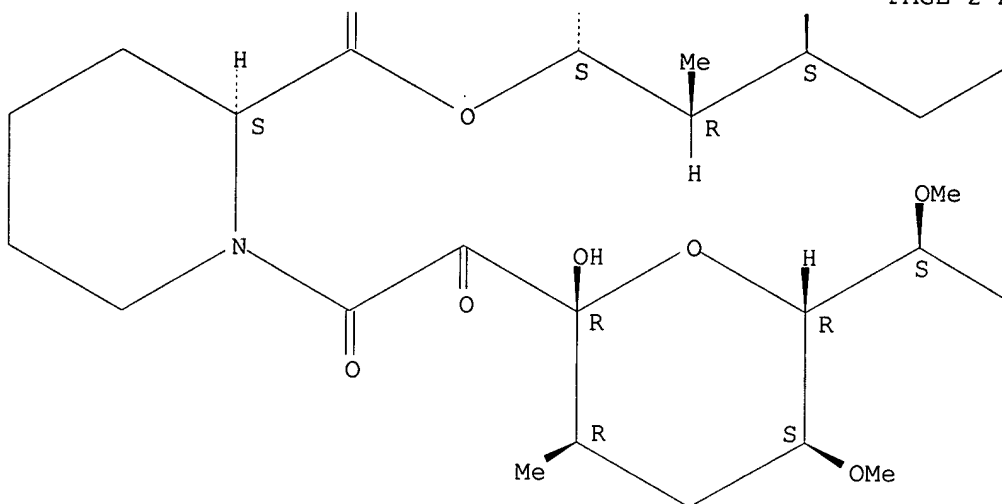


942 REFERENCES IN FILE CA (1967 TO DATE)
 258 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 942 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 1 OF 2 REGISTRY COPYRIGHT 1999 ACS
 RN 104987-12-4 REGISTRY
 CN 15,19-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclotricosine-1,7,20,21(4H,23H)-
 tetrone, 8-ethyl-5,6,8,11,12,13,14,15,16,17,18,19,24,25,26,26a-
 hexadecahydro-5,19-dihydroxy-3-[(1E)-2-[(1R,3R,4R)-4-hydroxy-3-
 methoxycyclohexyl]-1-methylethenyl]-14,16-dimethoxy-4,10,12,18-tetramethyl-
 , (3S,4R,5S,8R,9E,12S,14S,15R,16S,18R,19R,26aS)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 15,19-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclotricosine-1,7,20,21(4H,23H)-
 tetrone, 8-ethyl-5,6,8,11,12,13,14,15,16,17,18,19,24,25,26,26a-
 hexadecahydro-5,19-dihydroxy-3-[2-(4-hydroxy-3-methoxycyclohexyl)-1-
 methylethenyl]-14,16-dimethoxy-4,10,12,18-tetramethyl-,
 [3S-[3R*[E(1S*,3S*,4S*)],4S*,5R*,8S*,9E,12R*,14R*,15S*,16R*,18S*,19S*,26aR
 *]]-
 OTHER NAMES:
 CN **Ascomycin**
 CN FK 520
 CN FR 520
 CN FR 900520
 CN Immunomycin
 CN L 683590
 FS STEREOSEARCH
 DR 11011-38-4, 159430-76-9, 126340-36-1, 133876-12-7, 136457-58-4,
 137767-75-0, 148400-02-6
 MF C43 H69 N O12
 SR CA
 LC STN Files: ADISINSIGHT, AGRICOLA, AIDSLINE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CIN, CSCHEM,
 DDFU, DRUGU, EMBASE, IFICDB, IFIUDB, MEDLINE, NAPRALERT, PHAR, PROMT,
 RTECS*, TOXLINE, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.
 Double bond geometry as described by E or Z.





186 REFERENCES IN FILE CA (1967 TO DATE)
 29 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 186 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 1999 ACS

RN 53123-88-9 REGISTRY

CN **Rapamycin (9CI)** (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 23,27-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine, rapamycin deriv.

OTHER NAMES:

CN (-)-Rapamycin

CN (3S, 6R, 7E, 9R, 10R, 12R, 14S, 15E, 17E, 19E, 21S, 23S, 26R, 27R, 34aS) - 9, 10, 12, 13, 14, 21, 22, 23, 24, 25, 26, 27, 32, 33, 34, 34a-Hexadecahydro-9, 27-dihydroxy-3-[(1R)-2-[(1S, 3R, 4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylethyl]-10, 21-dimethoxy-6, 8, 12, 14, 20, 26-hexamethyl-23, 27-epoxy-3H-pyrido[2, 1-c][1, 4]oxaazacyclohentriacontine-1, 5, 11, 28, 29(4H, 6H, 31H)-pentone

CN 23, 27-Epoxy-3H-pyrido[2, 1-c][1, 4]oxaazacyclohentriacontine-1, 5, 11, 28, 29(4H, 6H, 31H)-pentone, 9, 10, 12, 13, 14, 21, 22, 23, 24, 25, 26, 27, 32, 33,

34, 34a-hexadecahydro-9, 27-dihydroxy-3-[2-(4-hydroxy-3-methoxycyclohexyl)-1-methylethyl]-10, 21-dimethoxy-6, 8, 12, 14, 20, 26-hexamethyl-,

[3S-[3R*[S*(1R*, 3S*, 4S*)], 6S*, 7E, 9S*, 10S*, 12S*, 14R*, 15E, 17E, 19E, 21R*, 23R*, 26S*, 27S*, 34aR*]]-

CN Antibiotic AY 22989

CN AY 22989

CN SIIA 9268A

CN Sirolimus

CN

[3S-[3R*[S*(1R*,3S*,4S*)],6S*,7E,9S*,10S*,12S*,14R*,15E,17E,19E,21R*,23R*,26S*,27S*,34aR*]]-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34,34a-Hexadecahydro-9,27-dihydroxy-3-[2-(4-hydroxy-3-methoxycyclohexyl)-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine-1,5,11,28,29(4H,6H,31H)-pentone

FS STEREOSEARCH

MF C51 H79 N O13

CI COM

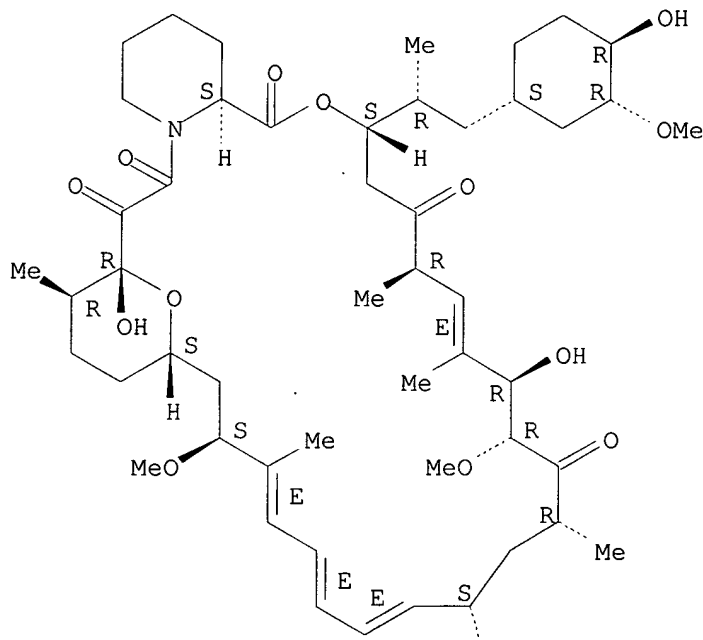
LC STN Files: ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CIN, CSChem, DDFU, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IFICDB, IFIPAT, IFIUDb, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PHAR, PROMT, RTECS*, TOXLINE, TOXLIT, USAN, USPATFULL, VETU (*File contains numerically searchable property data)

Other Sources: WHO

Absolute stereochemistry.

Double bond geometry as shown.

PAGE 1-A



PAGE 2-A

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1140 REFERENCES IN FILE CA (1967 TO DATE)

68 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1143 REFERENCES IN FILE CAPLUS (1967 TO DATE)